
SELECTION & SPECIFICATION DATA

Generic Type	A/D Type TC-55 Sealer is a water based vinyl acrylic copolymer emulsion of fine particle size. Films retain high degree of flexibility and elongation. Normally clear and colorless, it is also available in a limited range of colors.
Description	A/D Type TC-55 Sealer may be used as an adhesive and/ or sealer with cementitious sprayed fire resistive materials and insulation products. A/D Type TC-55 Sealer improves adhesive bond of fireproofing and insulation products to steel, concrete and other substrates. When applied as a topcoat/sealer, it improves most physical characteristics, reduces air erosion losses and may be used to color the fireproofing or insulation surface.
Features	<ul style="list-style-type: none">• Easy spray application• Excellent bonding properties• Single package• Mixed with clean potable water at job site
Colour	Normally clear. Blue, white and black available.
Wet Film Thickness	0.1mm (4 mils) Will vary depending on coat thickness.
Solids Content	By Volume 49%
Theoretical Coverage Rates	As an adhesive; when mixed one part water to one part adhesive. Approximately 10.2-12.2 m/L (500-600 ft./gal.) As a sealer; when mixed one part water to three part adhesive. Light coat: approximately 10.2-18 m/L (500-882 ft./gal.) Medium coat: approximately 6.1-10.2 m/L (300-500 ft./gal.) Heavy coat: approximately 2-6.1 m/L (100-300 ft./gal.)
VOC Values	As Supplied 0.00 lb./gal (0 g/l) clear As Supplied 0.17 lb./gal (20 g/l) coloured
Limitations	Use and apply in accordance with manufacturer's instructions and published fire-rated designs. Colour intensity and film build will vary depending on dilution and application rates and most importantly, texture, density and finish of surface being coated. Manufacturer cannot be held responsible for color variations on site.

SUBSTRATES & SURFACE PREPARATION

General	Before applying A/D Type TC-55 Sealer, the surface must be free of all oil, grease, condensation, or other contamination. Do not use if concrete has been treated with curing solutions. Test patches may be required to ensure compatibility.
----------------	--

MIXING & THINNING

Mixing	One part water to one part adhesive when mixed as an adhesive One part water to three part adhesive when mixed as a sealer.
Thinning	See above

PERFORMANCE DATA

Test Method	Results
ASTM E84 Surface Burning	Class A
CAN/ULC-S102 Surface Burning	FS-5, SD-0
Density	68 pcf
Film Clarity	Very Good
Film Gloss	Very Good
Film Hardness	Soft and flexible
Free Monomer	0.5% maximum
Freeze/Thaw Stability	Very Good
Particle Size	0.2-0.5 microns
pH @77°F (25°C)	4.0-5.0

*All values derived under controlled laboratory conditions.

APPLICATION PROCEDURES

Application Rates	Film build and color intensity may vary significantly depending on dilution and application rate, and texture, density and finish of substrate being coated. Where coloured finish over fibrous and cementitious materials is desired, we recommend extra attention be given to preparation and application of the fibrous or cementitious surfaces. If used as an adhesive, A/D Type TC-55 Sealer should be tacky to wet when cementitious fireproofing is applied.
--------------------------	--

CLEANUP & SAFETY

Cleanup	Pump, mixer and hose should be cleaned with clean, potable water at least once every 8 hours at 21°C (70°F) and more often at higher temperatures. Wet overspray must be cleaned up with clean, fresh water. Cured overspray may be difficult to remove.
Safety	Follow all safety precautions on the A/D Type TC-55 Sealer Safety Data Sheet (SDS). It is recommended that personal protective equipment be worn, including spray suits, gloves, eye protection and respirators when applying A/D Type TC-55 Sealer.

PACKAGING, HANDLING & STORAGE

Shelf Life*	12 months *Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.
Shipping Weight (Approximate)	35.96L (9.5 lbs) per 3.78L (1 gallon)
Storage	Store indoors in a dry environment between 0°C - 100°C (32°F - 212°F).
Packaging	18.9L (5 gallon) pail or 170.3L (45 gallon) drum

WARRANTY

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Carboline® and Carboguard® are registered trademarks of Carboline Company.